

Abstract

Thermoplastic polymer compositions, films, continues, closures, laminates can
5 comprise a modified vinyl polymer said modified polymer having a moiety comprising a
cyclodextrin compound. The cyclodextrin compound, locked into the polymer structure,
can absorb impurities, permeants, or other undesirable volatile materials. The
cooperation between the cyclodextrin grafted onto the thermoplastic polymer and the
polymer structure can provide barrier properties to a film, web or other polymer structure.
10 A permeant or a contaminant can be complexed or trapped within the polymer and held
within the film or Web preventing the permeant or contaminant from passing into the
interior of a container or enclosure.

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